

It's time to install the NPA

To retrofit for:

COAL... / HEAVY RESIDUE(S) - OILS... / DIESEL... / NATURAL GAS / etc...

THE NEW COAL POWER PLANT

ALTERNATIVE FUEL BOILER/TURBINE UPGRADE ...FOR ULTRA LOW EMISSIONS

Upgrade your existing system now, or specify “MDG” Combustion Enhancement Technology for your new super high performance, low emission thermal heat and power combustion systems.

Coal Combustion at Normal Procedures

1 Ton of Coal = 2.241 MegaKcal

Conversion: Thermal to Electric

1 Ton of Coal = 2.6 MegaWatts

Wasted Materials: Ashes = 10.78 %

CO = 1.52 m3

CO2 = 3.42 m3

NOx = 5.9 m3

S = 1.72 %

Coal Combustion at Level 1 (NNPA)*

1 Ton of Coal = 2.683 MegaKcal

Conversion: Thermal to Electric

1 Ton of Coal = 3.12 MegaWatts

Wasted Materials: Ashes = 7.02 %

CO = 0.473 m³

CO₂ = 2.150 m³

NO_x = 1.785 m³

S = 0.097 %

Coal Combustion at Level 2 (NNPA)*

1 Ton of Coal = 2.906 MegaKcal

Conversion: Thermal to Electric

1 Ton of Coal = 3.38 MegaWatts

Wasted Materials: Ashes = 6.33 %

CO = 0.365 m³

CO₂ = 1.080 m³

NO_x = 0.970 m³

S = 0.053 %

Coal Combustion at Level 3 (NNPA)*

1 Ton of Coal = 3.353 MegaKcal

Conversion: Thermal to Electric

1 Ton of Coal = 3.90 MegaWatts

Wasted Materials : Ashes = 4.07 %

CO = 0.012 m³

$\text{CO}_2 = 0.717 \text{ m}^3$

$\text{NO}_x = 0.084 \text{ m}^3$

$\text{S} = 0.019 \%$

NOTE: Level #4 - Ultra high performance level requiring special high heat capable boiler materials...

Coal Combustion at Highest Level 4 (NNPA)*

1 Ton of Coal = 6.707 MegaKcal

Conversion: Thermal to Electric

1 Ton of Coal = 7.8 MegaWatts

Wasted Materials : Ashes = 0.629 %

$\text{CO} = 0.009 \text{ m}^3$

$\text{CO}_2 = 0.425 \text{ m}^3$

$\text{NO}_x = 0.007 \text{ m}^3$

$\text{S} = 0.000 \%$

* NNPA = NON NUCLEAR PARTICLE ACCELERATOR

The high-performance retrofit upgrade for combusting:

COAL... / RESIDUAL OIL SLUDGE(S)... / DIESEL... / NATURAL & low B.T.U. GAS / etc...

Converting any Boiler/G.Turbine Combustion Systems ...for Heat Production or Electric Power Generation into HIGH POWER UNITS for existing or new installations.

Several heat range options are possible to provide retrofit upgrades starting from 500 C. to 3,500 degrees C.

Special high heat capable boilers can be designed

upon request for ultra high temperatures.

This “System” allows boiler fuel to combust within a modified atmosphere having less nitrogen (a fire extinguishing gas). The system is adapted to the primary air intake fan using “The Neltron Particle Accelerator”(N.P.A.), wherein the air flow passes through the N.P.A. and the secondary air stage intake fan uses a mixture of the existing air and a new supplemental alternative fuel coming from large “FUEL CELLS” creating a atmosphere of air mixed with the “BROWN GAS” (Hydrogen Peroxide Monovalent Fuel) .

new

The Goal: Achieve significantly lower pollutant gas emissions optimized overall system performance, reducing: (CO - CO2 - NOx - Sulfurs - Mercury) ashes and suspension of particles .

plus

The apparatus’ advanced design functions simulate the Earth’s ...natural atmospheric phenomena conditions present within intense storms that sometimes can result in the release of “Lightning”. This combustion environment provides a superior atmosphere to promote the conversion of Hydrocarbon fuels into heat and usable electric power at ultra high efficiencies with the realization of very low waste materials as pollutants.

EXAMPLE : Normal COAL Power Plants are producing over two (2) pounds of pollutants per each 1 KW/hr. of power produced, with the usage of this “Technology” no more than six (6) ounces could be produced... **

** The Ultra High Level particle accelerator will be required.

Special high heat capable Boilers can be provided upon request, for ultra high temperatures to harness the utmost maximum achievable performance increase(s) ...

NOTE: Equipped systems will meet or exceed requirements outlined in the KYOTO PROTOCOLS for sustainable pollution reduction and provide coal emission levels from older plants, similar to or below the averages for natural gas fired systems now used in the Newest ultra modern High Cost Power Generation Plants.

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How to explain: the reaction at Room Temperature in the

“ Non Nuclear Particle Accelerator “ using the NELTRON WAY...

Special devices using proprietary MDG Hyperconductor Technology are designed to trigger the Helium (see color illustration) :

element #1 in the combustion air mass, generating Alpha particles. The Helium atoms start in motion with the magnetic and high frequency fields #6 of the accelerator introducing a high speed vibration in the Nitrogen element #2, wherein some atoms of the Nitrogen release “Neltrons” (...a newly discovered atomic particle - i.e.: a sub-part of the electron!)

and Electrons without the appropriate circular speed around its nucleus, wherefore the atoms are kept unstable and ready to accept other negative particles to become stable.

... In that instant the Neltrons and Electrons of the Helium - during the release stage of Alpha Particles - rapidly enter into the original Nitrogen-Electron Orbit at higher light speed, collapsing the original Nitrogen nucleus, creating the first new, “re-combined” element Oxygen #7.

... This new Oxygen element just created, releases Neltrons #5 ...out of the nucleus of the oxygen immediately are sent positrons to maintain the normal stability of the atom, but the electro-magnetic field #6 impedes its ability to balance, wherein all the Neltrons #5 generated during the process stages are traveling in a direct line following the scheme of the magnetic forces #6

starting to push with its proper magnetic field other Nitrogen #2 atoms, where quantities of them systematically collapse with the others in presence of the Oxygen, subsequently generating the resulting modified recombinant atoms of Hydrogen #3 and Oxygen #4 in monovalent forms. During the year 1919 the Nobel Prize winning scientist Ernest Rutherford discovered this process.

SECONDARY AIR INTAKE FAN

fuel cell

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THE SECONDARY AIR INTAKE FAN is using a mixture of air and the new supplemental alternative fuel coming from the large “MOTION DYNAMICS FUEL CELLS”, creating a new - enhanced atmosphere of low nitrogen air mixed with supplemental “Brown Gas”, known as: Monovalent H₂ O₂ and other “green” (ROCKET FUEL-type) performance enhancing gasses.

THE NON-NUCLEAR PARTICLE ACCELERATOR

Believe it or not - It's now reality...

SUSTAINABLE "GREEN" COMBUSTION TECHNOLOGY !

All customers enjoy our...

100% Satisfaction Performance Guarantee

Contact us Today ! ...at: **Motion Dynamics Group**

Ph: 570/ 443-7892

E-mail: motiond@epix.net

Call us to discuss this renewable fuel upgrade opportunity...

YOU GET NO PIE ON YOUR FACE ... AND MONEY IN YOUR POCKETS!